

Article
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Amended Claims

1. An AAV vector having a nucleic acid coding for a fusion polypeptide, the fusion polypeptide comprising a structural papilloma virus (poly)peptide and a non-transforming (poly)peptide coded by an early papilloma virus gene.
2. The vector according to claim 1, characterized in that the papilloma virus is a HPV.
3. The vector according to claim 2, characterized in that the HPV is selected from the group consisting of HPV 16, 18, 33, 35 and 45.
4. The vector according to any one of claims 1 to 3, characterized in that the nucleic acid is under the control of a constitutive or inducible promoter.
5. The vector according to claim 4, characterized in that the promoter is a tissue-specific or tumor-specific promoter.
6. The vector according to any one of claims 1 to 5, characterized in that the structural papilloma virus (poly)peptide is coded by L1-ORF and by part thereof, respectively.
7. The vector according to any one of claims 1 to 6, characterized in that the non-transforming (poly)peptide coded by an early papilloma virus gene is coded by E6-ORF or E7-ORF and by part thereof, respectively.
8. A vaccination agent containing the vector according to any one of claims 1 to 7 and conventional auxiliary agents.

9. The vaccination agent according to claim 8, characterized in that further substances activating the immune system are present.
10. The vaccination agent according to claim 8 or 9, characterized in that the vector is present in cells.
11. The vaccination agent according to claim 10, characterized in that the cells are tumor cells and/or pre-tumor cells, which are associated to papilloma viruses and sequences thereof, respectively.
12. The vaccination agent according to claim 11, characterized in that the tumor cells and the pre-tumor cells are inactivated.
13. Use of the vector according to any one of claims 1 to 7 and the vaccination agent according to any one of claims 8 to 12 for activating the immune system against cells associated to papilloma viruses and sequences thereof, respectively.

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